Journal of Organometallic Chemistry

Volume 556 (1998)

Emeritus Board
H.C. Brown *(Lafayette, IN, USA)*
G.P. Chiusoli *(Parma, Italy)*
C. Eaborn *(Brighton, UK)*
E.O. Fischer *(Munich, Germany)*
M. Kumada *(Kyoto, Japan)*
J. Lewis *(Cambridge, UK)*
M.G. Voronkov *(Irkutsk, Russian Federation)*
G. Wilke *(Mülheim/Ruhr, Germany)*

Editorial Board
J.L. Atwood *(Columbia, MO, USA)*
T. Bitterwolf *(Moscow, ID, USA)*
P. Braunstein *(Strasbourg, France)*
H. Brunner *(Regensburg, Germany)*
F. Calderazzo *(Pisa, Italy)*
E. Carmona *(Sevilla, Spain)*
R.J.P. Corriu *(Montpellier, France)*
A.H. Cowley (Austin, TX, USA)
A.G. Davies *(London, UK)*
J.J. Eisch *(Binghamton, NY, USA)*
C. Floriani *(Lausanne, Switzerland)*
S. Gambarotta *(Ottawa, Ont., Canada)*
M.L.H. Green *(Oxford, UK)*
W.A. Herrmann *(Munich, Germany)**
P. Jutzi *(Bielefeld, Germany)*
R.B. King *(Athens, GA, USA)**
G. van Koten *(Utrecht, The Netherlands)**
M.F. Lappert *(Brighton, UK)*
G.J. Leigh *(Brighton, UK)**
P.M. Maitlis *(Sheffield, UK)*
F. Mathey *(Palaiseau, France)**
D.M.P. Mingos *(London, UK)**
A. Nakamura *(Osaka, Japan)**
J.F. Normant *(Paris, France)*
J.P. Oliver *(Detroit, MI, USA)**
S. Pasynkiewicz *(Warsaw, Poland)*
P.L. Pauson *(Glasgow, UK)*
C. Raston *(Clayton, Vic., Australia)*
M.D. Rausch *(Amherst, MA, USA)*
O.A. Reutov *(Moscow, Russian Federation)*
H. Sakurai *(Chiba, Japan)*
V.I. Sokolov *(Moscow, Russian Federation)*
N. Sonoda *(Osaka, Japan)*
F.G.A. Stone *(Waco, TX, USA)*
H. Suzuki *(Japan)*
K. Tatsumi *(Nagoya, Japan)*
R.M. Waymouth *(Stanford, CA, USA)*
H. Werner *(Würzburg, Germany)*
A. Yamamoto *(Tokyo, Japan)*
H. Yamazaki *(Tokyo, Japan)*

* Denotes Regional Editor, Deputy Regional Editor, Subject Reviews Editor or Book Reviews Editor.

ELSEVIER AMSTERDAM — LAUSANNE — NEW YORK — OXFORD — SHANNON — TOKYO

Abstracting Organizations
Articles in this journal will be indexed and abstracted in Chemical Abstracts, Chemischer Informationsdienst. Current Abstracts of Chemistry and Index Chemicus, Current Contents, Physical, Chemical and Earth Sciences, Pascal (Centre de Documentation Scientifique et Technique), Research Alert™ and the Science Citation Index.

International Standard Serial Number 0022-328X

Copyright © 1998 Elsevier Science S.A. All rights reserved. 0022-328X/98/$19.00

This journal and the individual contributions contained in it are protected by the copyright of Elsevier Science S.A., and the following terms and conditions apply to their use:

Photocopying
Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.
In the USA, users may clear permissions and make payment through the Copyright Clearance Center Inc., 222 Rosewood Drive, Danvers, MA 01923, USA. In the UK, users may clear permissions and make payment through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK. In other countries where a local copyright clearance centre exists, please contact it for information on required permissions and payments.

Derivative Works
Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions.
Permission of the publisher is required for resale or distribution outside the institution.
Permission of the publisher is required for all other derivative works, including compilations and translations.

Electronic Storage
Permission of the publisher is required to store electronically any material contained in this journal, including any article or part of an article.
Contact the publisher at the address indicated.
Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the publisher.

Disclaimers
No responsibility is assumed by the publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein.
Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

♾ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

Printed in The Netherlands

ELSEVIER

Volume 556, Numbers 1–2, 15 April 1998

Journal of Organometallic Chemistry

Contents

Regular Papers

Construction of supramolecular copper architecture via tetrahedral $Cu(CN)_4$ building blocks and trigonal bipyramidal $[R_3Sn]$ connecting units
A.M. Ibrahim 1

Ferrocenic acid derivatives: towards rationalizing changes in the electronic and geometric structures
L. Lin, A. Berces and H.-B. Kraatz 11

Cylometallated semicarbazone complexes of palladium(II). Crystal and molecular structure of $[\{Pd[C_6H_4C(Et)=NN(H)C(=O)NH_2]\}_2(\mu\text{-}Ph_2P(CH_2)_3PPh_2)][ClO_4]_2$
J.M. Vila, T. Pereira, J.M. Ortigueira, M. López Torres, A. Castiñeiras, D. Lata, J.J. Fernández and A. Fernández 21

Reactivity of functionalised cyclometallated complexes of palladium(II). Crystal and molecular structure of $[Pd\{3\text{-}(CHO)C_6H_3C(H)=NCy\}(Br)(PEtPh_2)]$
J.M. Vila, M.T. Pereira, J.M. Ortigueira, M. López Torres, A. Castiñeiras, D. Lata, J.J. Fernández and A. Fernández 31

Investigation of dialkyltin compounds as catalysts for the synthesis of dialkyl carbonates from alkyl carbamates
E.N. Suciu, B. Kuhlmann, G. A. Knudsen and R.C. Michaelson 41

Ferrocenyl substituted carboranes: synthesis and characterisation
C.L. Beckering, G.M. Rosair and A.S. Weller 55

Reaktionen von Bis(trimethylsilyl)amino-substituierten Chlorsilanen $[(Me_3Si)_2N]Me_{2-n}Ph_nSiCl$ ($n = 0, 1, 2$) mit Lithium—Darstellung von Bis(trimethylsilyl)amino-substituierten Silyllithiumverbindungen und Disilanen
I. Rietz, E. Popowski, H. Reinke and M. Michalik 67

Organometallic complexes of platinum-group metals incorporating substituted guanidine dianion (triazatrimethylenemethane) ligands
M.B. Dinger, W. Henderson and B.K. Nicholson 75

Synthesis, structure and reactivity of an (η^6-naphthalene)iron(0) complex having a 1,2-bis(dicyclohexylphosphino)ethane ligand
H. Kubo, M. Hirano and S. Komiya 89

Synthese, Struktur und Eigenschaften neuer Cyclopentadienyl oxalato-Rhodiumverbindungen
P. Jutzi, M. Söte, B. Neumann and H.-G. Stammler 97

Synthesis, structure and trypanocidal activity of dibutyltin derivatives of 2-mercaptobenzoxazole and 5-chloro-2-mercaptobenzothiazole
J. Susperregui, M. Bayle, J.M. Léger and G. Déléris 105

Synthesis and solid-state isomerisation reactions of *diag*- and *lat*-(η^5-C_5H_4R)Re(CO)(L)X_2
L. Cheng and N. J. Coville 111

Stereochemistry of 4-(*NH*-amino)-1-metalla-1,3-dienes $(CO)_5M{=}C(OEt){-}CH{=}C(NHR)Ph$ (M = Cr, W)
R. Aumann, K.B. Roths, M. Kößmeier and R. Fröhlich 119

Optically active transition metal compounds 113: Synthesis of chiral carbonylnitrosylcobalt complexes with four different unidentate ligands
H. Brunner, P. Faustmann and B. Nuber 129

Unexpected formation of $[Z\text{-}PhCF{=}CFRe_2(CO)_9]Na$ in the reaction of $[Re(CO)_5]Na$ with α,β,β-trifluorostyrene
P.K. Sazonov, M.M. Shtern, G.A. Artamkina and I.P. Beletskaya 141

Synthesis of new elementsubstituted derivatives of 3H-pyrrolizines
D.A. Kissounko, N. S. Kissounko, D.P. Krut'ko, G.P. Brusova, D.A. Lemenovskii and N.M. Boag 145

Facile preparation of η^6-*p*-cymene ruthenium diphosphine complexes. Crystal structure of $[(\eta^6\text{-}p\text{-cymene})Ru(dppf)Cl]PF_6$
S.B. Jensen, S.J. Rodger and M.D. Spicer 151

Contents

Synthesis and crystal structure of a novel μ_4-oxygen-bridged tetranuclear organoindium complex $(InEt_2)_4$(di-2-pyridyl-amido)$_2(\mu_4$-O)
Q. Zhao, H.-S. Sun, W.-Z. Chen, Y.-J. Liu and X.-Z. You 159

New cyclic stannyloligosilanes
C. Kayser, R. Klassen, M. Schürmann and F. Uhlig 165

A highly luminescent tetranuclear copper(I) cluster: structure and photophysical properties
W.-H. Chan, Z.-Z. Zhang, T.C. Mak and C.-M. Che 169

Neue Derivate des Ferrocenols und 1,1′-Ferrocendiols
M. Herberhold, H.-D. Brendel, A. Hofmann, Barbara Hofmann and W. Milius 173

Platin(II)-Komplexe mit schwefelfunktionalisierten Alkenylliganden
D. Steinborn, S. Becke, C. Bruhn and F.W. Heinemann 189

The reaction of $[Os_3(CO)_{10}(CH_3CN)_2]$ with carboxylic acids: the crystal and molecular structures of $[Os_3H(CO)_{10}(C_6H_4(OH)CO_2)]$ and $[Os_3H(CO)_{10}(C_6H_5COS)]$
E.W. Ainscough, A.M. Brodie, R.K. Coll, B.A. Coombridge and J.M. Waters 197

Metallorganische Lewis–Säuren, LVI: Vom Bis(alkin)-Komplex $[(OC)_4Re(\eta^2$-MeC≡CMe$)_2]^+ BF_4^-$ zu $[(OC)_4Re(\eta^4$-$C_4Me_4)]^+ BF_4^-$ mit rechteckigem Cyclobutadien–Liganden. Die erste beobachtbare *cis*-Bis(alkin)/Cyclobutadien–Umlagerung
E. Lippmann, T. Kerscher, B. Aechter, C. Robl, W. Beck, D.W. Price, M. Metz and P. Hofmann 207

Synthesis of new bis(acetylide)-substituted fluorene derivatives and their bimetallic and polymeric complexes
J. Lewis, P.R. Raithby and W.-Y. Wong 219

Bis(cyclopentadienyl)lanthanoid(III) alkoxides derived from chiral alcohols with a nitrogen donor functionality: Solution NMR studies of paramagnetic complexes
A. Steudel, E. Siebel, R.D. Fischer, G. Paolucci and V. Lucchini 229

Priority communication
Catalytic carbonylation of α-(6-methoxyl-2-naphthyl)ethanol to methyl esters of naproxen using $PdCl_2$–$CuCl_2$–PPh_3–acid catalyst system
H. Zhou, J. Cheng, S. Lu, H. Fu and H. Wang 239

Erratum
C.G. Screttas, M. Micha-Screttas and B.R. Steele 243

Erratum
P. Frediani, C. Faggi, S. Papaleo, A. Salvini, M. Bianchi, F. Piacenti, S. Ianelli and M. Nardelli 245

Erratum
M. Mikolajczyk, T. Luczak, P.P. Graczyk, M.W. Wieczorek, J. Blaszczyk, G.D. Bujacz and W.R. Majzner 247

Erratum
A. Stanger, R. Boese, N. Askenazi and P. Stellberg 249

Author index 251
Subject index 253

The publisher encourages the submission of articles in electronic form thus saving time and avoiding rekeying errors. A leaflet describing our requirements is available from the publisher upon request.